

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Original) A method for making data available to an application program, comprising:

generating a cursor positioned with respect to a result table, wherein the cursor specifies a search criteria, wherein the result table includes rows from a base table that satisfy the search criteria;

receiving a fetch request indicating to position the cursor on a plurality of rows of the result table; and

positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria.

2. (Original) The method of claim 1, further comprising:

placing a lock on the plurality of rows of the result table on which the cursor is positioned.

3. (Original) The method of claim 2, wherein the fetch request is received from a client at a server, further comprising:

returning, by the server, the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

4. (Original) The method of claim 2, further comprising:

receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and

releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

5. (Currently Amended) The method of claim 1, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request, and wherein positioning the cursor further comprises:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.

6. (Original) The method of claim 5, wherein positioning the cursor on the number of rows with respect to one row of the result table comprises one of:

positioning the cursor on a number of rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows from a first row of the result table that satisfy the search criteria;

positioning the cursor on a number of rows preceding an end of the result table that satisfy the search criteria;

7. (Currently Amended) The method of claim 1, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request specifying an integer k, and wherein positioning the cursor further comprises:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and is positioned with respect to k rows from row of the result table having rows that satisfy the search criteria.

8. (Original) The method of claim 7, wherein positioning the cursor on a number of rows that satisfy the search criteria and is positioned with respect to k rows from row of the result table comprises one of:

positioning the cursor on a number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table;

positioning the cursor on a number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table[[; and]].

9. (Original) The method of claim 1, further comprising:
receiving a request to modify at least one row in the rows on which the cursor is positioned; and
modifying the at least one row on which the cursor is positioned as indicated in the request.

10. (Original) The method of claim 9, wherein the modification comprises updating or deleting the at least one row on which the cursor is positioned as indicated in the request.

11. (Original) The method of claim 1, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.

12. (Original) The method of claim 1, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request, and wherein the current plurality of rows is a different number than a number of the rows on which the cursor is positioned in response to the fetch request.

13. (Original) A system for making data available to an application program, comprising:

a memory;
a base table;
a result table, wherein the result table includes rows from a base table that satisfy a search criteria;
means for generating a cursor positioned with respect to the result table;
means for receiving a fetch request indicating to position the cursor on a plurality of rows of the result table; and

means for positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria.

14. (Original) The system of claim 13, further comprising:

means for placing a lock on the plurality of rows of the result table on which the cursor is positioned.

15. (Original) The system of claim 14, wherein the fetch request is received from a client at a server, further comprising:

means, performed by the server, for returning the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

16. (Original) The system of claim 14, further comprising:

means for receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and

means for releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

17. (Currently Amended) The system of claim 13, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request, and wherein the means for positioning the cursor further performs:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.

18. (Original) The system of claim 17, wherein the means for positioning the cursor on the number of rows with respect to one row of the result table performs one of:

positioning the cursor on a number of rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows from a first row of the result table that satisfy the search criteria;

positioning the cursor on a number of rows preceding an end of the result table that satisfy the search criteria;

19. (Currently Amended) The system of claim [[1]] 13, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request specifying an integer k, and wherein the means for positioning the cursor further performs:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and is positioned with respect to k rows from a row of the result table having rows that satisfy the search criteria.

20. (Original) The system of claim 19, wherein the means for positioning the cursor on a number of rows that satisfy the search criteria and is positioned with respect to k rows from a row of the result table performs one of:

positioning the cursor on a number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table; and

positioning the cursor on a number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table; and

21. (Original) The system of claim 13, further comprising:

means for receiving a request to modify at least one row in the rows on which the cursor is positioned; and

means for modifying the at least one row on which the cursor is positioned as indicated in the request.

22. (Original) The system of claim 13, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.

23. (Original) An article of manufacture for making data available to an application program, wherein the article of manufacture causes operations to be performed, the operations comprising:

generating a cursor positioned with respect to a result table, wherein the cursor specifies a search criteria, wherein the result table includes rows from a base table that satisfy the search criteria;

receiving a fetch request indicating to position the cursor on a plurality of rows of the result table; and

positioning the cursor on the plurality of rows of the result table indicated in the fetch request that satisfy the search criteria.

24. (Original) The article of manufacture of claim 23, wherein the operations further comprise:

placing a lock on the plurality of rows of the result table on which the cursor is positioned.

25. (Original) The article of manufacture of claim 24, wherein the fetch request is received from a client at a server, and wherein the operations further comprise:

returning, by the server, the plurality of rows at the server on which the cursor is positioned to the client that sent the fetch request, wherein the lock is placed on the plurality of rows at the server to block the plurality of rows on which the cursor is positioned.

26. (Original) The article of manufacture of claim 24, wherein the operations further comprise:

receiving a subsequent fetch request to reposition the cursor on at least one row of the result table; and

releasing the lock on the plurality of rows of the result table on which the cursor is currently positioned before being repositioned.

27. (Currently Amended) The article of manufacture of claim 23, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request, and wherein positioning the cursor further comprises:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size with respect to one row of the result table having rows that satisfy the search criteria.

28. (Original) The article of manufacture of claim 27, wherein positioning the cursor on the number of rows with respect to one row of the result table comprises one of:

positioning the cursor on a number of rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows from a first row of the result table that satisfy the search criteria;

positioning the cursor on a number of rows preceding an end of the result table that satisfy the search criteria;

29. (Currently Amended) The article of manufacture of claim 23, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request specifying an integer k, and wherein positioning the cursor further comprises:

determining a rowset size; and

positioning the cursor on a number of rows comprising the rowset size that satisfy the search criteria and is positioned with respect to k rows from row of the result table having rows that satisfy the search criteria.

30. (Original) The article of manufacture of claim 29, wherein positioning the cursor on a number of rows that satisfy the search criteria and is positioned with respect to k rows from row of the result table comprises one of:

positioning the cursor on a number of rows that satisfy the search criteria and precede k rows preceding a first row of the current plurality of rows that satisfy the search criteria;

positioning the cursor on a number of rows that satisfy the search criteria and follow a number of rows equal to the rowset size from a kth row from a first row of the result table;

positioning the cursor on a number of rows that satisfy the search criteria and precedes k rows that satisfy the search criteria preceding a last row of the result table; and

31. (Original) The article of manufacture of claim 23, wherein the operations further comprise:

receiving a request to modify at least one row in the rows on which the cursor is positioned; and

modifying the at least one row on which the cursor is positioned as indicated in the request.

32. (Original) The article of manufacture of claim 31, wherein the modification comprises updating or deleting the at least one row on which the cursor is positioned as indicated in the request.

33. (Original) The article of manufacture of claim 23, wherein the cursor comprises one of a static cursor or dynamic cursor, wherein if the cursor is static, then the cursor is either sensitive or insensitive to changes in the base table from which the result table is generated.

34. (Original) The article of manufacture of claim 23, wherein the cursor is positioned on a current plurality of rows of the result table before receiving the fetch request, and wherein the current plurality of rows is a different number than a number of the rows on which the cursor is positioned in response to the fetch request.